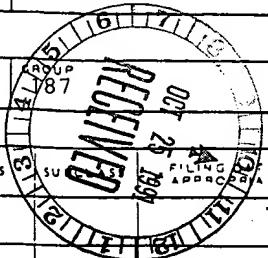




#6  
B. White  
10-29-91

Sheet 1 of 5

FORM PTO-1449 (REV. 7-8-81)		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	
		ATTY. DOCKET NO. MIT5261	SERIAL NO. 07/586,534
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)		APPLICANT Paul R. Schimmel	
		FILING DATE September 21, 1990	GROUP 187



#### U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

#### FOREIGN PATENT DOCUMENTS

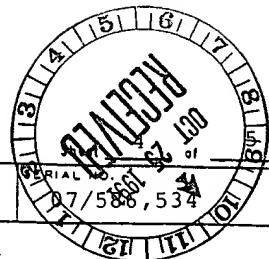
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
AL						
AM						
AN						
AO						
AP						

#### OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ABY	AR	von der Haar, Von Friedrich et al. <u>Angew Chem.</u> 93:250-256 (1981)
ABY	AS	Brierley, Ian, et al. <u>Cell</u> 57:537-547 (1989)
ABY	AT	Mei, Hsiung-Yau, et al. <u>Proc. Natl. Acad. Sci.</u> 86:9727-9731 (1989)

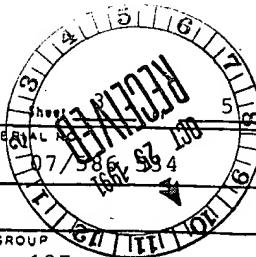
EXAMINER	DATE CONSIDERED
Amelia B. Farbaugh	1/9/91

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 REV. 7-60			U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MIT5261	SERIAL NO. 97/586,534
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)					APPLICANT Paul R. Schimmel	
			FILING DATE September 21, 1990	GROUP 187		
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
ABY	JAR	Yokoyama, Masayuki, et al. <u>Chemical Abstracts</u> 109:79550 No. 79541c (1988)				
	JAS	Itai, Akiki, <u>Chemical Abstracts</u> 108:398 No. 62280y (1988)				
	JAT	Badger, John, et al. <u>J. Mol. Biol.</u> 207:163-174 (1980)				
	KAR	McKinlay, et al. <u>Ann. Rev. Pharmacol. Toxicol.</u> 29:111-122 (1989)				
	KAS	<u>Perry, N.C., et al. in QSAR: Quantitative Structure Activity Relationships in Drug Design</u> , Alan R. Liss, Inc. pp. 189-193 (1989)				
	KAT	Ripka, William <u>New Scientist</u> 54-56 (June 16, 1988)				
	JAR	Rouvinen, Juba, et al. <u>Acta Pharmaceutica Fennica</u> 97:159-166 (1988)				
	LAS	<u>Williams, et al. J. Am. Chem. Soc.</u> 111:1090-1094 (1989)				
	LAT	Benzing, T., et al. <u>Science</u> 242:266-268 (1988)				
	MAR	Goodford, Peter <u>Chem. Abstracts</u> 111 No. 126283y (1989)				
	MAS	Weber, I., <u>Proteins: Structure, Function, and Genetics</u> 7:172-184 (1990)				
ABY	MAT	Malim, M., et al. <u>Cell</u> 60:675-683 (1990)				
EXAMINER <i>Donlin B. Farbaugh</i>	DATE CONSIDERED 1-9-91					

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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MIT5261	SERIAL NO. 07/386,594
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)				APPLICANT Paul R. Schimmel	DATE RECEIVED 10/10/89
				FILING DATE September 21, 1990	GROUP 187
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>AB</i>	FAR	Schimmel, Paul <u>Cell</u> 58:9-12 (1989)			
	FAS	Endo, Yaeta, et al. <u>The Journal of Biological Chemistry</u> 265:2216-2222 (1990)			
	FAT	Von der Haar, Friedrich et al. <u>Chemical Abstracts</u> 94:346 No. 197448x (1981)			
	AR				
	GAS	Park, Soon Jae, et al. <u>The Journal of Biological Chemistry</u> 263:16527-16530			
	GAT	Roberts, Stanley M., ed. <u>Molecular Recognition: Chemical and Biochemical Problems</u> , CRC Press, 1989			
	HAR	Rebek, Jr., Julius, <u>Science</u> 235:1478-1484 (1987)			
	HAS	Rebek, Jr., J., et al. <u>J. Am. Chem. Soc.</u> 109:2426-2431 (1987)			
	HAT	Rebek, Jr., Julius, et al. <u>J. Am. Chem. Soc.</u> 107:6736-6738 1985)			
	IAR	Askew, Ben, et al. <u>J. Am. Chem. Soc.</u> 111:1082-1090 (1989)			
	IAS	Lewis, R.A., et al. <u>Proc. R. Soc. Lond.</u> 236:125-140 (1989)			
<i>AB</i>	IAT	Lewis, R.A., et al. <u>Proc. R. Soc. Lond.</u> 236:141-162 (1989)			
EXAMINER <i>Amelia B. Farberough</i>		DATE CONSIDERED <i>1/9/91</i>			

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MIT5261	SERIAL NO. 307/586,571
MATERIAL INFORMATION STATEMENT (Use several sheets if necessary)				APPLICANT Paul R. Schimmel	GROUP 18
				FILING DATE September 21, 1990	
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>AB</i>	BAR	Dreher, T.W., et al. <u>J. Mol. Biol.</u> 201:41-55 (1988)			
<i>AB</i>	BAS	Jacks, Tyler, et al. <u>Cell</u> 55:447-458 (1988)			
<i>AB</i>	BAT	Pleij, Cornelis, W.A., et al. <u>Nucleic Acids Research</u> 13:1717-1731			
<i>AB</i>	CAR	Haenni, Anne-Lise, et al. <u>Progress in Nucleic Acid Research and Molecular Biology</u> 27:85-105			
<i>AB</i>	CAS	Robertus, J.D., et al. <u>Nature</u> 250:546-551 (1974)			
<i>AB</i>	CAT	Kim, S.H., et al. <u>Science</u> 185:435-440 (1974)			
<i>AB</i>	DAR	Hou, Ya-Ming, et al. <u>Nature</u> 333:140-145 (1988)			
<i>AB</i>	DAS	Park, Soon Jae, et al. <u>Biochemistry</u> 28:2740-2746 (1989)			
<i>AB</i>	DAT	Francklyn, Christopher, et al. <u>Nature</u> 337:478-481 (1989)			
<i>AB</i>	EAR	Hou, Ya-Ming, et al. <u>Biochemistry</u> 28:6800-6804 (1989)			
<i>AB</i>	EAS	Schimmel, Paul <u>Biochemistry</u> 28:2747-2759 (1989)			
<i>AB</i>	EAT	Hou, Ya-Ming, et al. <u>Trends in Biochemical Sciences</u> 14:233-237 (1989)			
EXAMINER <i>R.B. Yarbrough</i>		DATE CONSIDERED 1/9/91			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449  
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

MIT5261

SERIAL NO.  
507/588,534

MATERIAL INFORMATION STATEMENT  
(Use several sheets if necessary)

APPLICANT  
Paul R. Schimmel

FILING DATE  
September 21, 1990 GROUP  
187

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AB</i>	NAR	Weber, I.T., et al. <u>Science</u> 243:928-931 (1989)
<i>AB</i>	NAS	Jones, T.Alwyn, et al. <u>The EMBO Journal</u> 5:819-822 (1986)
<i>AB</i>	NAT	Shi, Jian-Ping, et al. <u>Science</u> 29:3621 (1990)
	AR	
	AS	
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	AR	
	AS	
	AT	
	AR	
	AS	
	AT	

EXAMINER

*Amelia B. Jobbaugh*

DATE CONSIDERED

1-9-91

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